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28 January 1958

25X1A

To: WRSP [REDACTED]  
From: R-W, [REDACTED]  
Info: Headquarters and WRSP-2  
Subject: Reply to Special Technical Report dated 9 January 1958  
from [REDACTED] 25X1A

The traveling wave tubes in the dual channel Traveling Wave Tube Amplifier should draw approximately 1.6 milliamperes cathode current when the tubes are hot. Starting currents should be neglected.

The Traveling Wave Tube Amplifier instruction manual states that the supply voltages should be adjusted for maximum tangential sensitivity at 14,000 megacycles. This is in error. The supply voltages should be adjusted for maximum tangential sensitivity at 10,750 megacycles. This gives the best performance over the broadest band. If your signal generator goes only to 10,050 megacycles, you will have to use this figure although 10,750 is preferable.

Publications has been notified about the discrepancy on the Traveling Wave Tube Amplifier instruction book. Quality Control has been notified regarding your difficulties with the 14-channel duplicating equipment.

Factory needs two copies of all future field reports.

25X1A

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